

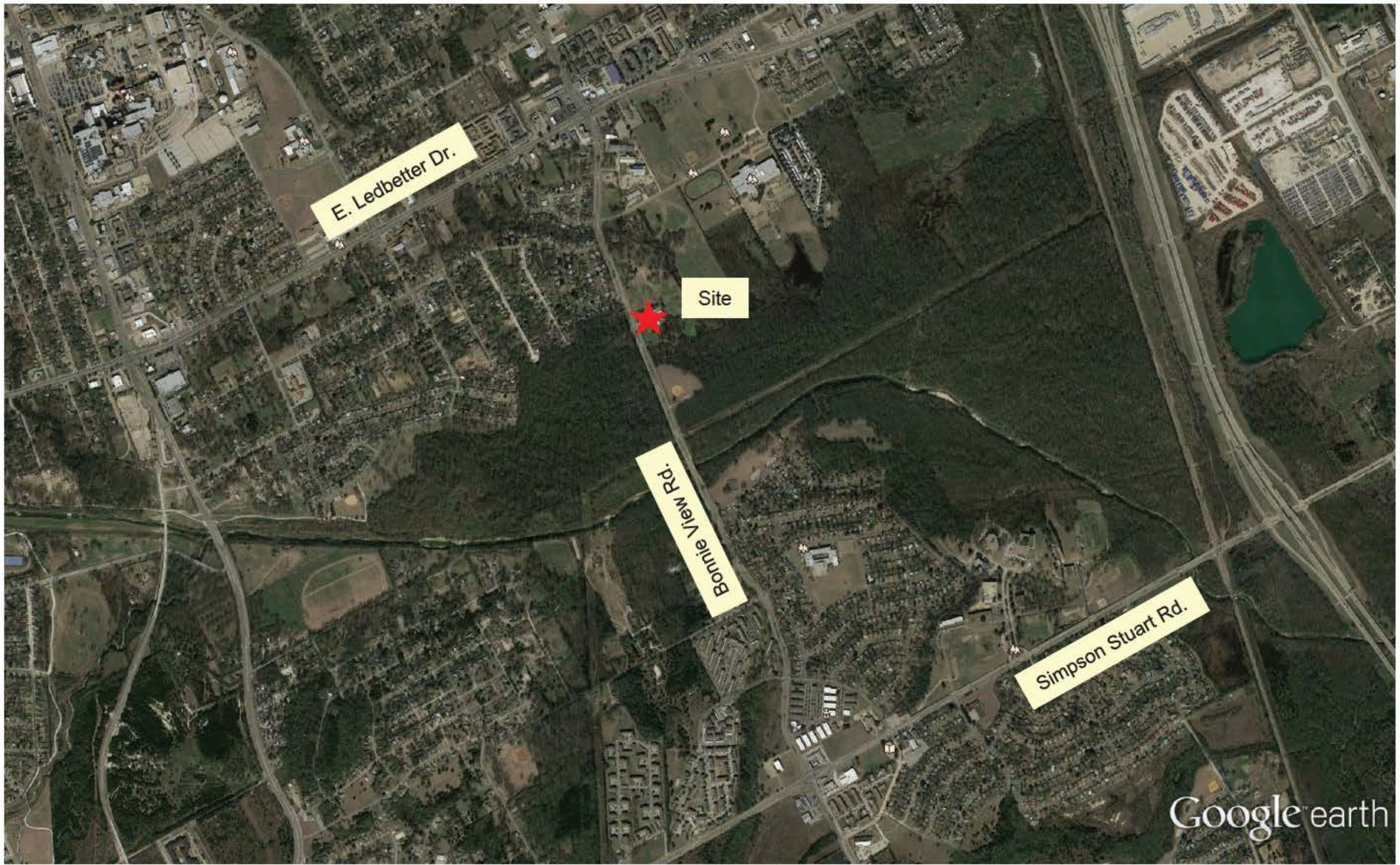
# Lane Plating Works



**City of Dallas Community Meeting  
April 17, 2017**

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# Site Location



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# Location and History

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- ▶ Located on Bonnie View Road between E. Ledbetter Drive and Simpson Stuart Road immediately north of College Park
- ▶ Operated as an electroplating facility for approximately 90 years.

# Site Property



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# Operational History

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- ▶ Primary activities
  - Hard Chromium Plating
  - Cadmium Plating
  
- ▶ Other activities
  - Black Oxide Coating
  - Electroless Nickel Plating
  - Machining/Grinding
  - Lead Melting Pot for Anode Repair

# Recent Site History

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- ▶ Late 2015 – TCEQ noted the Lane Plating facility had ceased operations and closed
- ▶ Dec. 2015 – Lane Plating filed for bankruptcy
- ▶ Late Dec. 2015 – TCEQ conducted a limited removal action
  - Lab-packed select chemicals in the facility lab
  - Pumped waste from two on-site sumps (~8,000 gals)
  - Secured the facility
- ▶ Jan. 2016 – TCEQ Referred the site to EPA



# Office Building

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# Facility Buildings

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# On-site Laboratory



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# Waste Containers in Chem Storage Area



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# Chemical Storage Area



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# Chrome Plating Tanks



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# Chrome Plating Tanks



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# Chromic Acid Tank and Sump

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# Chrome Rinse Tank

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# Caustic Water Tank

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# Dip Tanks in Tinning Room



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# Waste Storage in Machine Shop



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# Thinner Area



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# Hazardous Waste Treatment Bldg.

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# Removal Assessment

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- ▶ Site reconnaissance completed on March 23, 2016
  
- ▶ Field activities conducted April 12-13, 2016
  - Liquid waste sampling
  - Soil sampling
  
- ▶ Sample results
  - Liquid wastes are characteristically hazardous
  - Soils are contaminated predominantly with hex chrome, lead, and mercury above EPA Risk Screening Levels (RSLs)

# Soil Sampling

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- ▶ Soil sampling conducted:
  - April 12 – 13, 2016 (initial Removal Assessment)
  - Sept. 19 – 23, 2016 (in conjunction with the Removal Action)
  
- ▶ Most common metals detected associated with Lane Plating operations:
  - Hexavalent chromium
  - Lead
  - Mercury



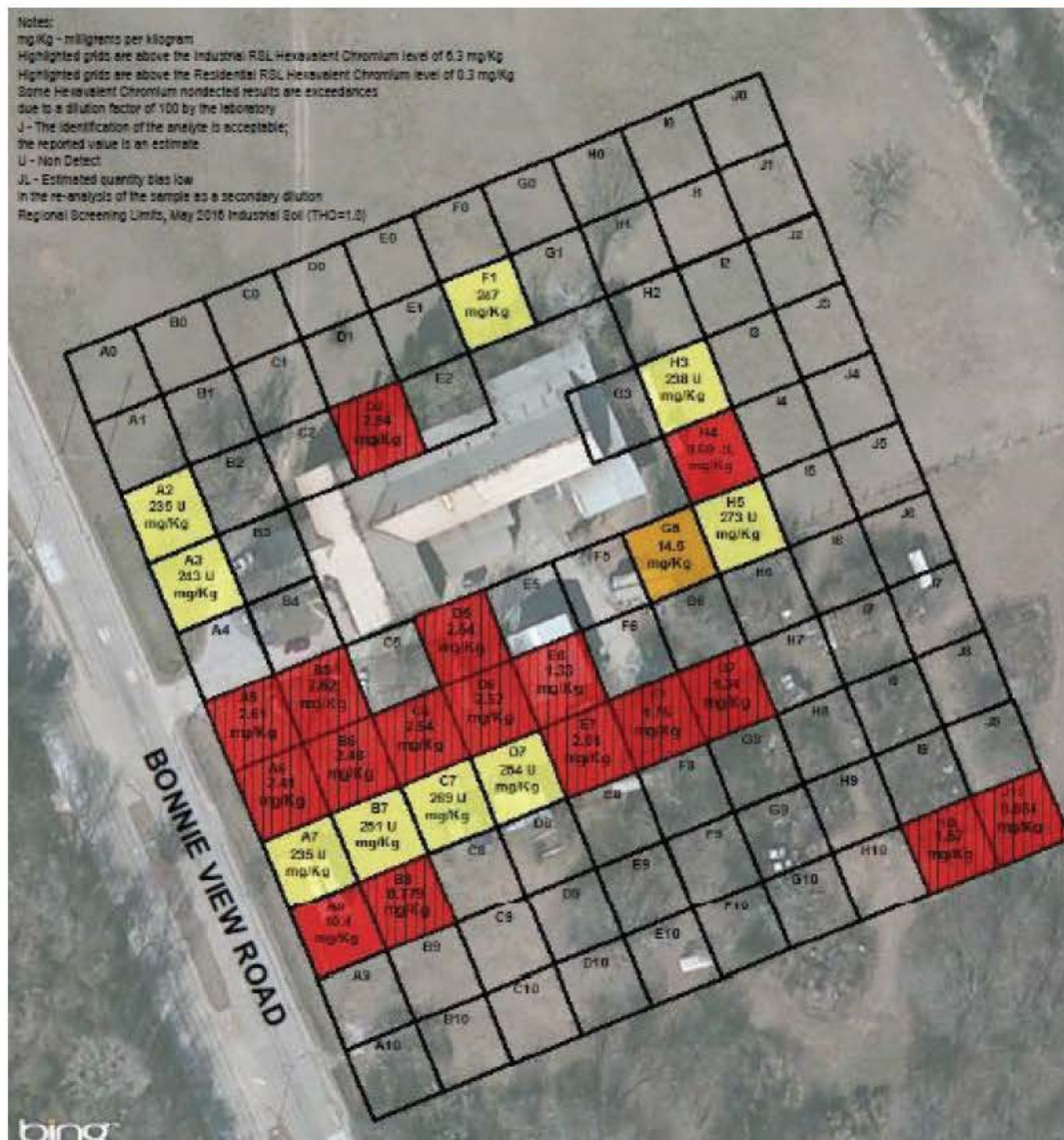
# Soil Sampling Grid



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# Soil Sampling – Hex Chrome

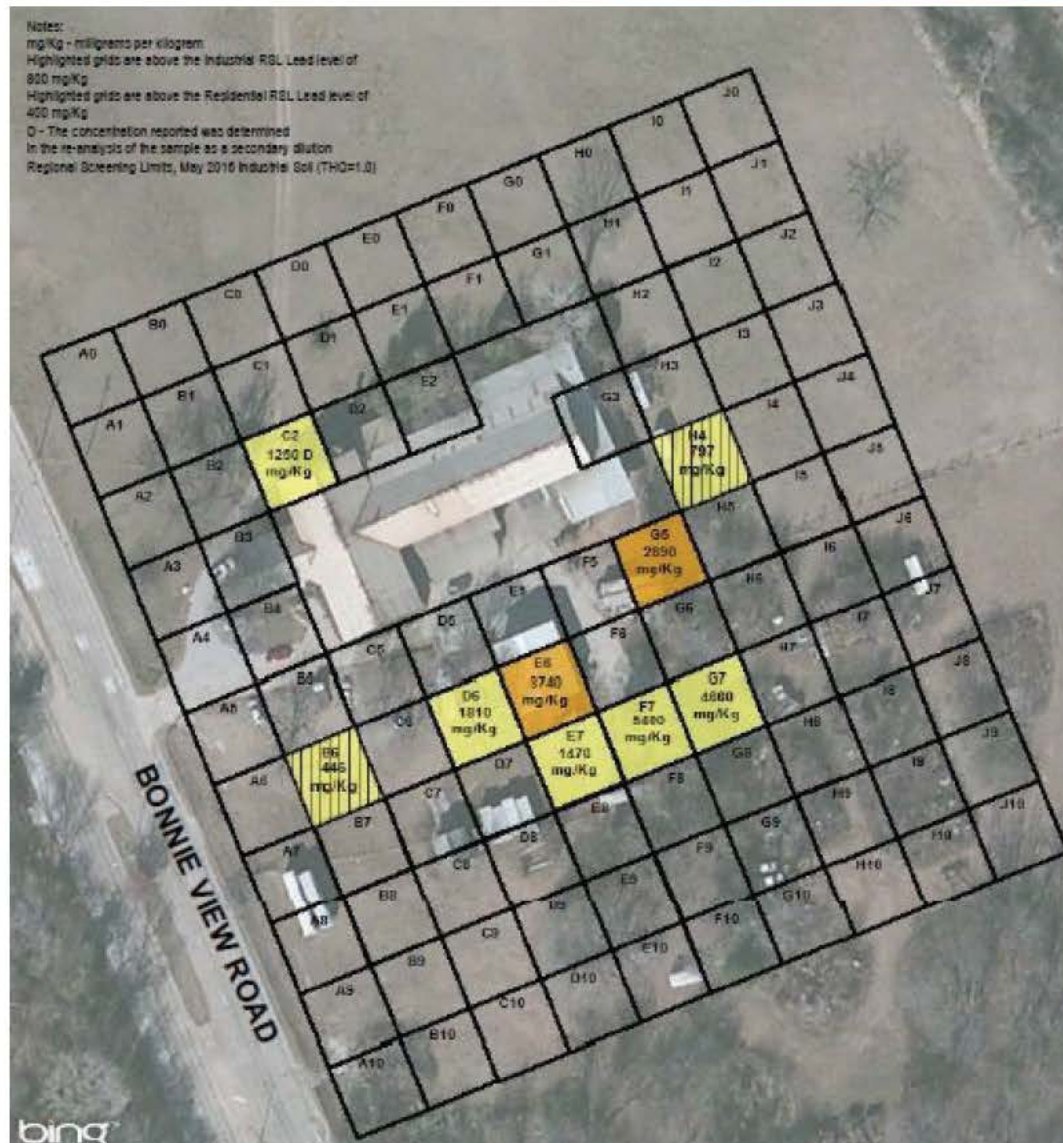


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# Soil Sampling – Lead

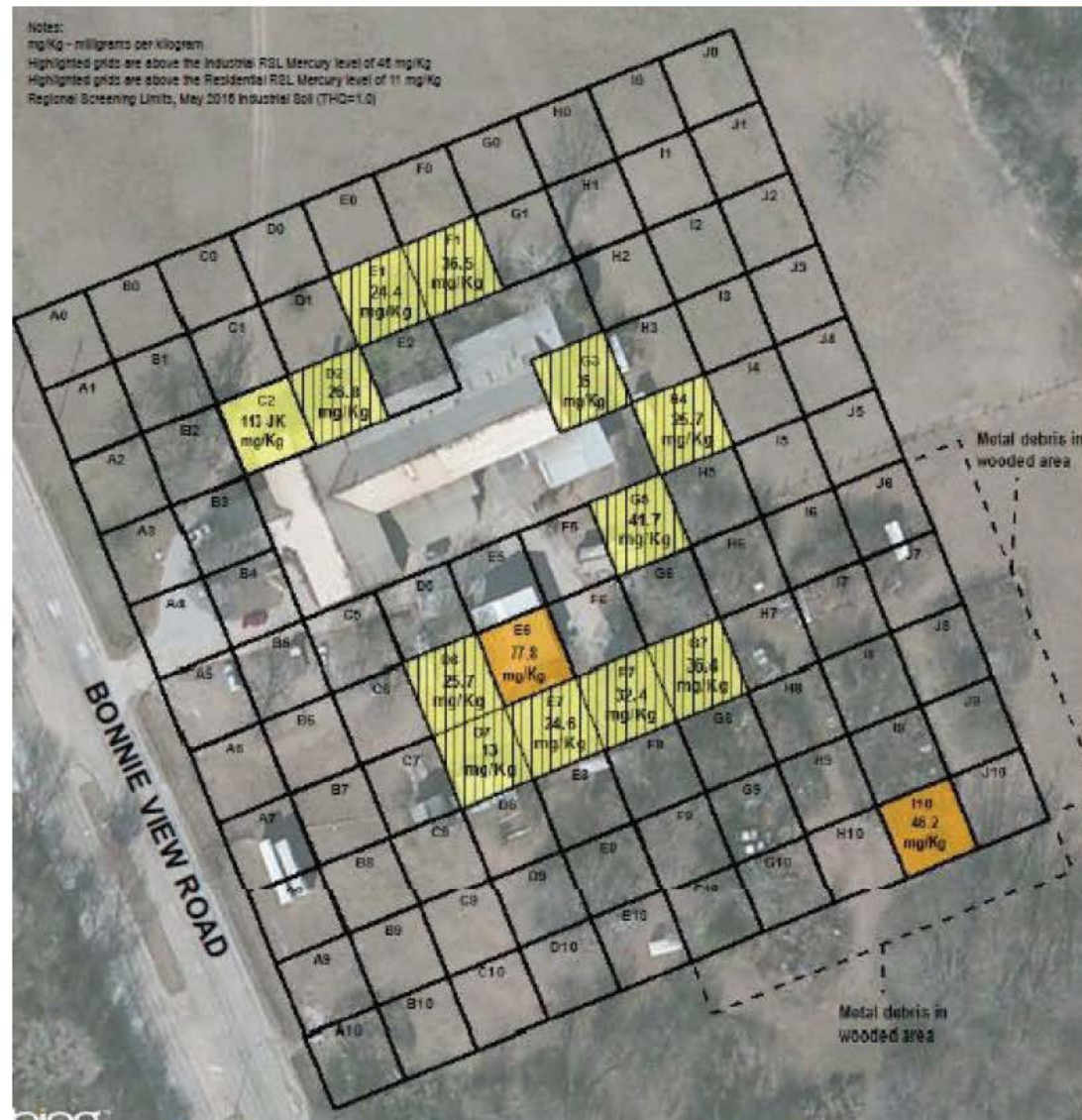


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# Soil Sampling – Mercury



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# Removal Action

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- ▶ Removal action conducted from October 3 through November 18, 2016
- ▶ Quantity of wastes disposed – **187,868 lbs**

# Removal Action (cont'd)

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- ▶ Wastes disposed included:
  - Plating solutions (cyanide, chromium, sulfuric acid, caustic solutions)
  - Paints
  - Elemental mercury
  - Flammable liquids and aerosols
  - Waste oil/oil filters
  - Acidic and caustic solids
  - Soils



# Removal Action – Hazcat/Sump Cleaning

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# Removal Action – Vat Cleaning

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# Removal Action – Waste Transport



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# Removal Action - Laboratory



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# Removal Action – Chem Storage Area

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# Removal Action - Vats

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# Removal Action – Machine Shop

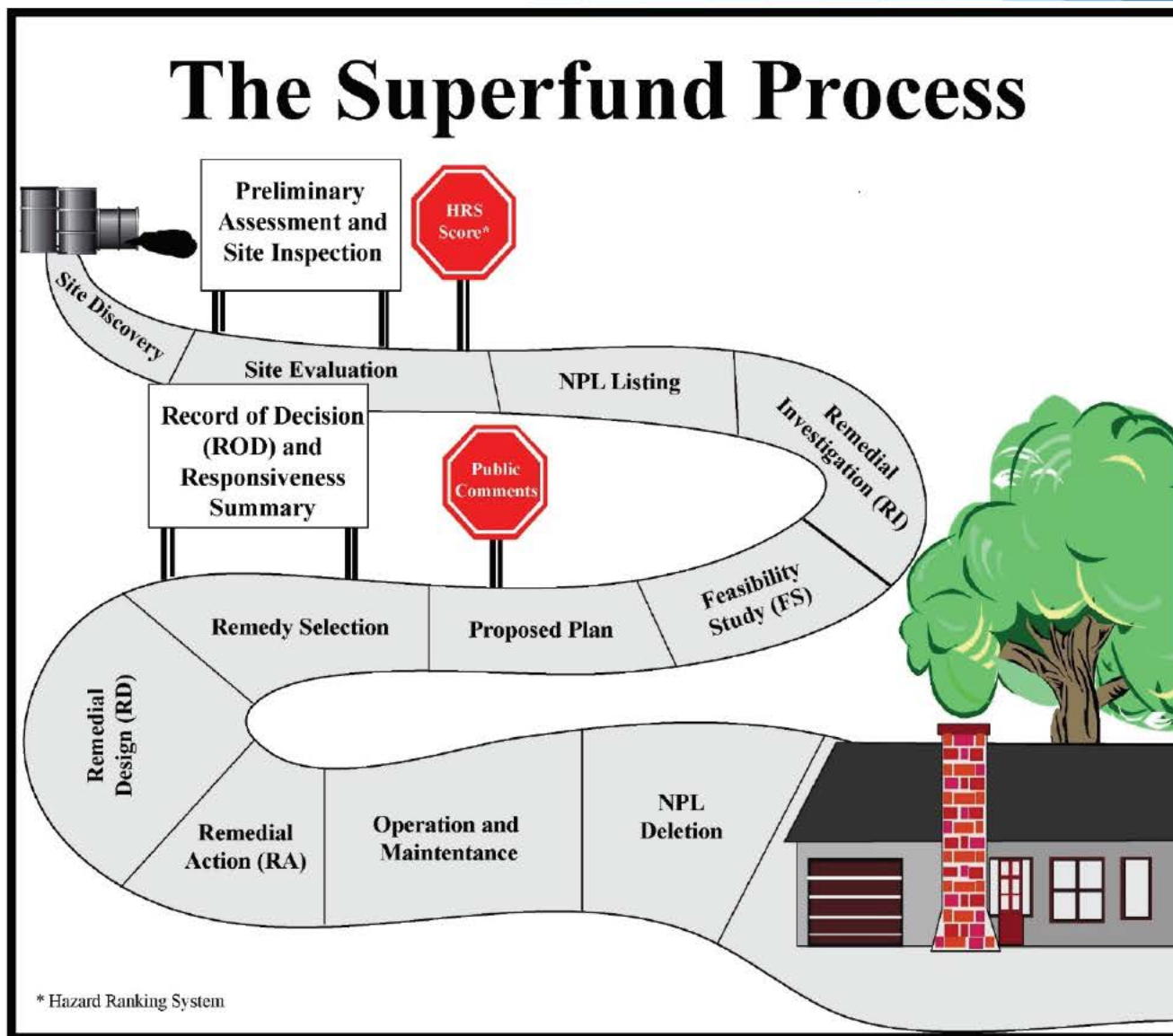
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# Superfund Process



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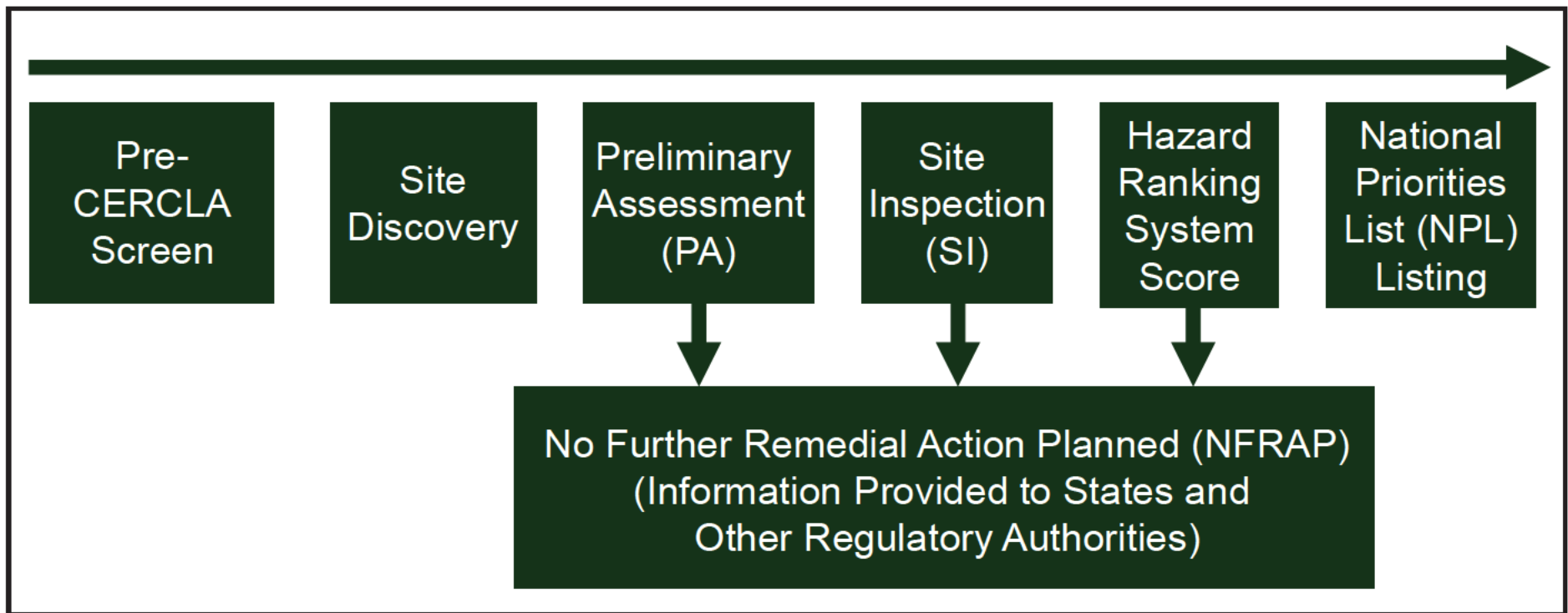


# Purpose of Site Assessment

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- ▶ The primary purpose of Site Assessment activities is to obtain the data necessary to identify the highest priority sites posing threats to human health and the environment
- ▶ The Site Assessment Process is a structured process comprised of a series of limited investigations

# Site Assessment Activities



← Removal and Enforcement Action May Occur at Any Stage →

# Preliminary Assessment

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- ▶ Site Visit/Field Reconnaissance conducted on February 24, 2016
  - Potential Sources
  - Ground Water Pathway
  - Soil Exposure Pathway
  - Surface Water Pathway
  - Air Pathway



# Site Inspection

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- ▶ Site Visit/Field Reconnaissance conducted on June 1, 2016
  
- ▶ Field Activities completed from July 18-21
  - Soil
  - Surface Water
  - Sediment

# Site Inspection (cont.)

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- ▶ Site Inspection evaluated the Surface Water Pathway
  
- ▶ Receptors include:
  - Wetlands
  - County preserves containing wetlands (Joppa Preserve/Lemon Lake Park)
  - Endangered/threatened species

# SI Sampling Map

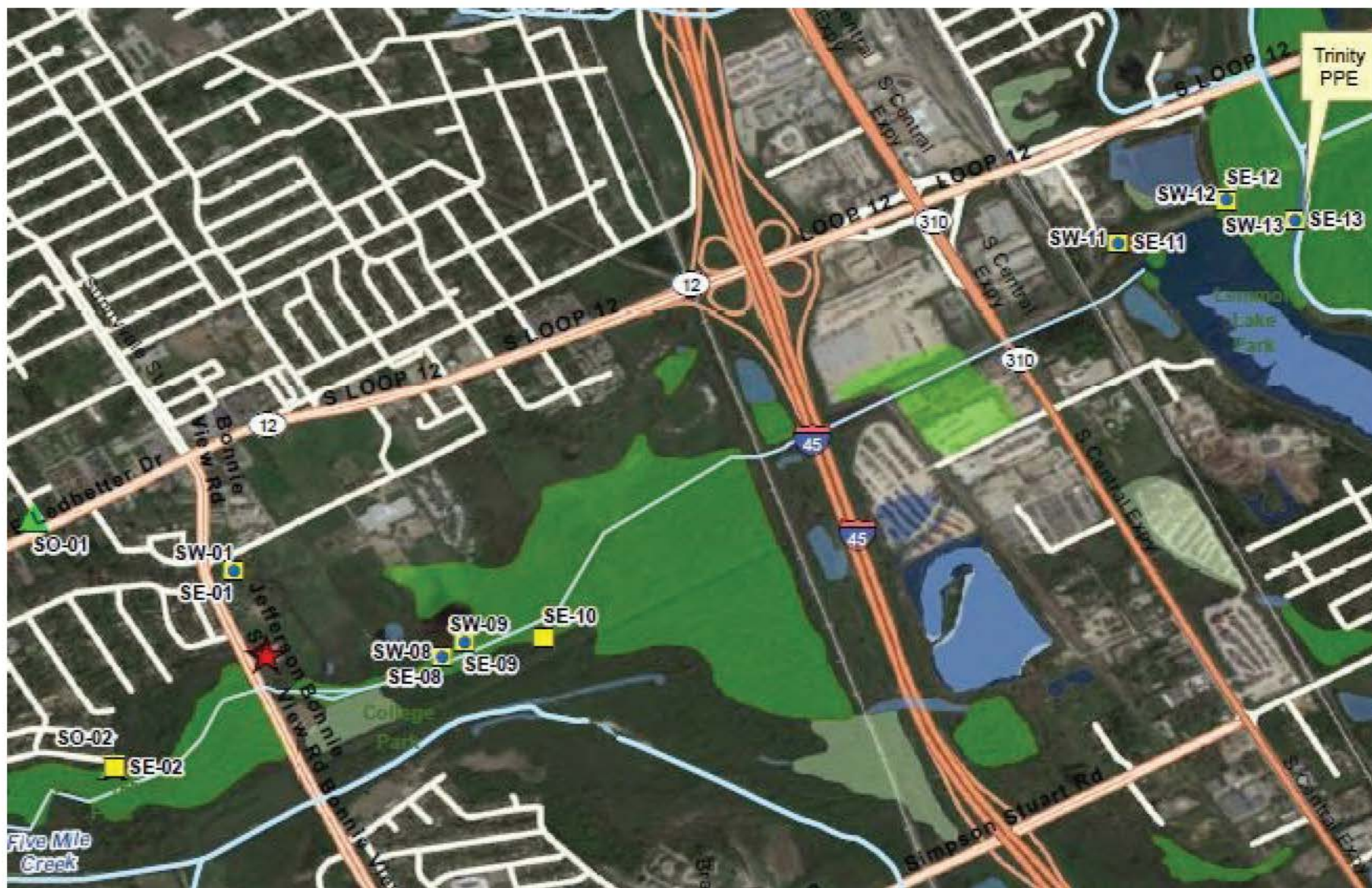


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# SI Sampling Map



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# Current Status

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- ▶ Is currently being evaluated to determine the site's eligibility for listing on the National Priorities List (NPL)
- ▶ Hazard Ranking System (HRS) is used to evaluate site for NPL eligibility:
  - The HRS is a numerically based scoring system or model
  - The HRS is a screening tool and not a risk assessment
  - The HRS score is the primary criterion EPA uses to determine whether a site should be placed on the NPL

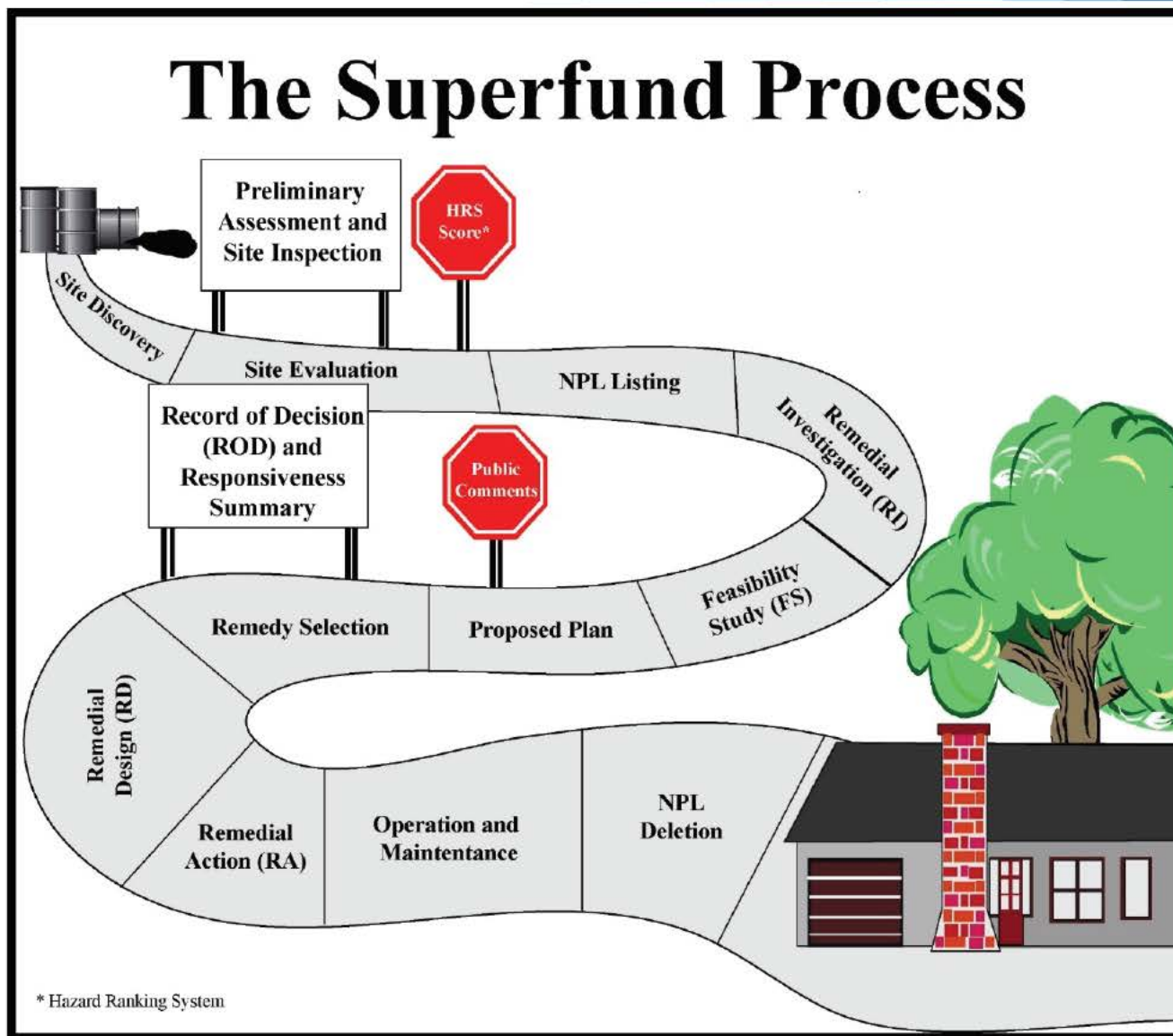


# Next Steps

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- ▶ To be eligible for the NPL:
  - Site must score 28.5 or greater on the HRS
  - Official support from the State of Texas
- ▶ If not eligible for the NPL, then
  - Site is referred to the State of Texas

# Superfund Process



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# Questions